Foulis, R B

Jan. 1920

(048)

UNIVERSITY OF TORONTO
PRESIDENT'S OFFICE

MEMORANDUM FOR

Jan. 10 1920

Professor McLennan

Dear Robert The President wished you to be kind enough to answer the accompanying letter.

Enclosure
in copy

Yours truly
A. H. Patterson
Secretary

Professor McLennan

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PROVINCIAL PAPER MILLS CO. LIMITED

MILLS AT
THOROLD, GEORGETOWN AND MILLE ROCHES, ONTARIO.

I. H. WELDON, PRESIDENT.
T. A. WELDON, VICE-PRESIDENT.
S. F. DUNCAN, SECY-TREAS.

HEAD OFFICE
TELEPHONE BLD'G., TORONTO.
PRIVATE EXCHANGE
ADELAIDE 1986

Georgetown, Ont. Jan. 9th, 1920.

Sir Robert Falconer,
President of Toronto University,
Toronto.

Dear Sir:-

Will you kindly state by return mail, if one cubic foot of water at 4° Cent., can be compressed.

In other words, can water be compressed?

Yours answer will oblige.

Yours very truly,

R. B. F.-A. H.

R. B. Forbes

ALL ORDERS ACCEPTED SUBJECT TO THE TRADE CUSTOMS PRINTED ON THE BACK HEREOF

TRADE CUSTOMS

1. THE AVERAGE VARIATION OF SHEET NOT TO EXCEED 5% ABOVE OR 5% BELOW ORDERED WEIGHT. PAPER WITHIN THIS RANGE OF VARIATION TO CONSTITUTE GOOD DELIVERY, AND BE BILLED AT ORDERED WEIGHT.
2. ALL ORDERS FOR SPECIAL WEIGHT, SIZE OR COLOR ARE ACCEPTED, SUBJECT TO AN OVERRUN OR UNDERRUN OF 10% IN QUANTITY. ORDERS FOR LESS THAN 5 TONS 15% OVER OR UNDER.
3. WRAPPERS AND TWINE ARE IN ALL CASES, ON BOTH SHEETS AND ROLL PAPERS, TO BE INCLUDED IN THE WEIGHT OF, AND ARE TO BE CHARGED AND PAID FOR AT THE PRICE OF THE PAPER ORDERED.
4. ROLL PAPER SHALL BE CHARGED AND PAID FOR AT THE GROSS "SCALE WEIGHT," INCLUDING CORES, AND MANUFACTURERS WILL CREDIT THE WEIGHT OF CORES WHEN RETURNED TO THE MILL IN GOOD CONDITION, BUT NO ALLOWANCE SHALL BE MADE FOR ANY PAPER REMAINING ON THE CORES SO RETURNED, EXCEPT AS CLEAN WHITE WASTE AT THE CURRENT MARKET PRICE FOR SAID WASTE.
5. NO PAPER MADE ONE WEIGHT AND STENCILLED ANOTHER, I.E., PAPER MUST BE MARKED THE WEIGHT ORDERED.
6. FOR PAPER CUT OR TRIMMED TWO SIDES THERE SHALL BE AN EXTRA CHARGE OF TEN CENTS (10c.) PER ONE HUNDRED LBS., AND FOR PAPER CUT OR TRIMMED THREE OR FOUR SIDES, THERE SHALL BE AN EXTRA CHARGE OF FIFTEEN CENTS (15c.) PER ONE HUNDRED POUNDS. A FURTHER CHARGE OF TEN CENTS (10c.) PER ONE HUNDRED LBS. PER CUT IS TO BE MADE FOR EVERY CUT ON ALL BOOK AND FOR LITHO PAPERS WHEN CUT TO A SMALLER SIZE THAN 18 x 24.
7. AN EXTRA CHARGE TO BE MADE FOR ALL SPECIAL PACKING.
8. ALL CLAIMS MUST BE MADE IMMEDIATELY ON DELIVERY OF PAPER, AND NO CLAIM WILL BE CONSIDERED AFTER THE GOODS HAVE BEEN PRINTED, CUT, OR IN ANY WAY MADE LESS SALEABLE.
9. WE HAVE THE PRIVILEGE OF CANCELLING ANY ORDER SHOULD WE CONSIDER THE ACCOUNT UNSATISFACTORY CREDIT, AND WITHHOLD SHIPMENTS AT ANY TIME PENDING PAYMENT OVERDUE.
10. ALL PRICES, TERMS AND DELIVERIES ARE SUBJECT TO CHANGE WITHOUT NOTICE.
11. ALL AGREEMENTS ARE SUBJECT TO DELAY CAUSED BY ACCIDENTS, FIRES, LABOR TROUBLE, SHORTAGE OF POWER OR ANY CAUSE BEYOND OUR CONTROL.

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Copy.

Toronto, January 12, 1920

Dear Sir,

Sir Robert Falconer, President of the University, has handed me your letter of January 9, asking if water at 4° C can be compressed. My answer to this question is yes. Perhaps the simplest way of making it clear to you that it can be compressed is to say that sound waves can be propagated in water at that as well as at other temperatures. Sound waves as you know are elastic waves of compression and rarefaction. If a bell be immersed in water at 4° C and the tongue shaken you will be able to hear the bell quite well.

In dealing with this questinn of the possibility of compressing bodies it is well to keep in mind that all bodies which are capable of being compressed. Of course the actual amount of compression that may obtain with moderately small forces is often very small. This holds of course with regard to water at 4° C.

Yours sincerely,

R.B.Foulis,Esq
Tele_hone Bldg
Toronto.